

What is claimed is:

5 1. A method for controlling and managing wireless network access for a wireless communication device, comprising the steps of:

10 sequentially attempting to determine whether communications may be established with at least one of a plurality of wireless networks;

15 selecting at least one of the wireless networks; and establishing communications between the wireless communication device and at least one selected wireless network.

20 2. A multi-mode controller for controlling and managing network access for a wireless communication device, comprising:

25 a network detector for sequentially attempting to determine whether communications may be established with at least one of a plurality of wireless networks;

a network selector for selecting at least one of the wireless networks; and

30 a connection manager for establishing communications between the wireless communication device and at least one selected wireless network.

35 3. A dual-mode controller for controlling and managing access to Bluetooth and HomeRF networks, comprising:

1 41044/DBS/B600

a network scanner for sequentially performing Bluetooth  
5 network scans and HomeRF network scans;

a network selector for selecting a Bluetooth network or a  
HomeRF network; and

a connection manager for establishing a connection with the  
10 selected Bluetooth or HomeRF network.

4. A method for controlling and managing access to  
Bluetooth and HomeRF networks, comprising the steps of:

15 sequentially performing Bluetooth network scans and HomeRF  
network scans;

notifying a user of availability of a Bluetooth network or  
a HomeRF network;

20 selecting a Bluetooth network or a HomeRF network according  
to user input; and

establishing a connection with the selected Bluetooth or  
25 HomeRF network.

5. The method of claim 4 further comprising the step of  
using common radio circuitry for communications to Bluetooth and  
30 HomeRF networks.

6. A dual-mode controller for controlling and managing  
access to Bluetooth and 802.11b networks, comprising:

35

1 41044/DBS/B600

5 a network scanner for sequentially performing Bluetooth network scans and 802.11b network scans;

a network selector for selecting a Bluetooth network or an 802.11b network; and

10 a connection manager for establishing a connection with the selected Bluetooth or 802.11b network.

7. A method for controlling and managing access to Bluetooth and 802.11b networks, comprising the steps of:

15 sequentially performing Bluetooth network scans and 802.11b network scans;

notifying a user of availability of a Bluetooth network or an 802.11b network;

20 selecting a Bluetooth network or an 802.11b network according to user input; and

25 establishing a connection with the selected Bluetooth or 802.11b network.

8. The method of claim 7 further comprising the step of using common radio circuitry for communications to Bluetooth and 802.11b networks.

30

35